

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-3. (Canceled)

4. (Currently amended) A sequence circuit display method for an injection molding machine having contacts and coils for controlling operation of the molding machine, said method comprising selectively inputting a name of a step in the operation of the molding machine from an input device; displaying a sequence circuit of the injection molding machine as a ladder diagram on a display device; and selectively inputting one of the contacts and coils in said ladder diagram, the displayed sequence circuit including contacts and coils corresponding to the selectively inputted one of the contacts and coils as the ladder diagram on the display device, the contacts being displayed in contact display boxes and the coils being displayed in coil display boxes, wherein:

said display step of displaying a sequence circuit including of contacts and coils of said ladder diagram in said display device comprises:

preparing selectively displaying one of:

an active display screen for displaying connection states of said contacts and coils along with operations of the injection molding machine in real time and

a still display screen displaying the connection states of said contacts and coils at a certain point of time in operation of the injection molding machine; and

selectively displaying one of the prepared screens,

and

said method further comprises:

displaying the active display screen, then touching a selected contact display box or coil display box and then touching an ON trigger button or an OFF trigger button in order to change to the still display screen and display the connection state of at least one of the contacts and coils corresponding to the selected contact or coil.

5-6. (Canceled)

7. (Currently amended) A sequence circuit display method for an injection molding machine having contacts and coils for controlling operation of the molding machine, said method comprising displaying a sequence circuit of the injection molding machine as a ladder diagram on a display device and selectively inputting one of the contacts and coils in said ladder diagram to thereby display a sequence circuit including contacts and coils corresponding to the selectively inputted one of the contacts and coils as the ladder diagram on the display device, wherein said display of contacts and coils of said ladder diagram in said display device comprises: preparing selectively displaying one of:

an active display screen for displaying connection states of said contacts and coils along with operations of the injection molding machine in real time and

a still display screen displaying the connection states of said contacts and coils at a certain point of time in operation of the injection molding machine; and selectively displaying one of the prepared screens.

8. (Canceled)